

Amendments to the Claims:

Please cancel Claim 2 without prejudice or disclaimer.

Please amend the claims as shown in the Listing of Claims below.

Please add new Claims 14-17 as shown in the Listing of Claims below.

This Listing of Claims will replace prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) An information processing method for converting input color data including indicating a plurality of color components component data and including a black color-component data into output color data that indicates including a plurality of color components component data and including a black color-component data, the input color data being dependent on a source device and the output color data being dependent on a destination device, said the information processing method comprising:

obtaining a source profile corresponding to the source device and a destination profile corresponding to the destination device;

determining a relationship between lightness levels and black color based on the destination profile characteristics of an output device;

determining, when a black-printing compensation is applied and the input color data indicates a simple black color, output color data for [[a]] the simple black color having a lightness level equivalent to a lightness level of the input color data, based on the source profile and the determined relationship between lightness levels and black color; and

determining, when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data for a non-simple black color by using the source profile and the destination profile without using the determined relationship between lightness levels and black color,

wherein a value of plurality of color component data included in the input color data determined as the simple black color is 0.

2. (canceled)

3. (original) An information processing method according to claim 1, wherein the input data and the output data are either simple black colors or achromatic.

4-5. (canceled)

6. (currently amended) A computer-readable storage medium having stored thereon a program for implementing an information processing method for converting input color data ~~indicating~~including a plurality of color components component data including a~~and~~ black color-component data into output color data that indicates a plurality of color components ~~including a black color component, said, the input color data being dependent on a source device and the output color data being dependent on a destination device, the~~ program implementing:

obtaining a source profile corresponding to the source device and a destination profile corresponding to the destination device;

determining a relationship between lightness levels and black color based on characteristics of the output device~~the destination profile;~~

determining, when a black-printing compensation is applied and the input color data indicates a simple black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data based on the source profile and the determined relationship between lightness levels and black color; and

determining, when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data for a non-simple black color by using the source profile and the destination profile without using the determined relationship between lightness levels and black color,

wherein a value of plurality of color component data included in the input color data determined as the simple black color is 0.

7. (canceled)

8. (currently amended) An information processing apparatus for converting input color data ~~indicating~~including a plurality of color components ~~component data including and~~ black color-component data into output color data ~~that indicates~~including a plurality of color components ~~component data including and~~ black color-component data, the input color data being dependent on a source device and the output color data being dependent on a destination device, ~~said the~~ information processing apparatus comprising:

a first section arranged to obtain a source profile corresponding to the source device and a destination profile corresponding to the destination device;

a ~~first-second~~ section arranged to determine a relationship between lightness levels and black color based on ~~characteristics of an output device~~ the destination profile; and

a ~~second-third~~ section arranged to determine, when a black-printing compensation is applied and the input color data indicates black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data based on the source profile and the determined relationship between lightness levels and black color, and to determine, when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data ~~for a non-simple black color~~ by using the source profile and the destination profile without using the determined relationship between lightness levels and black color,

wherein a value of plurality of color component data included in the input color data determined as the simple black color is 0.

9-13. (canceled)

14. (new) An information processing method according to claim 1, wherein the determination of the relationship between lightness levels and black color includes:

generating, by converting the plurality of the simple black color by using the destination profile, a first conversion condition for converting the black color into the lightness level; and

performing an inverse conversion process on the first conversion condition.

15. (new) An information processing method for converting input color data including RGB color component data into output color data including a plurality of color component data and black component data, the input color data being dependent on a the information processing method comprising:

obtaining a source profile corresponding to the source device and a destination profile corresponding to the destination device;

determining a relationship between lightness levels and black color based on the destination profile;

determining, when a black-printing compensation is applied and the input color data indicates a simple black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data based on the source profile and the determined relationship between lightness levels and black color;

determining, when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data based on the source profile and the destination profile,

wherein the simple black color is that a value of the R component data, a value of the G component data, and a value of the B component data are equal to each other.

16. (new) An information processing apparatus for converting input color data including RGB color component data into output color data including a plurality of color component data and black component data, the input color data being dependent on a source device and the output color data being dependent on a destination device, the information processing apparatus comprising:

a first section arranged to obtain a source profile corresponding to the source device and a destination profile corresponding to the destination device;

a second section arranged to determine a relationship between lightness levels and black color based on the destination profile;

a third section arranged to determine, when a black-printing compensation is applied and the input color data indicates a simple black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data based on the source profile and the determined relationship between lightness levels and black color, and to determine when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data based on the source profile and the destination profile,

wherein the simple black color is that a value of the R component data, a value of the G component data, and a value of the B component data are equal to each other.

17. (new) A computer-readable storage medium having stored thereon a program for converting input color data including RGB color component data into output color data including a plurality of color component data and black component data, the input color data being dependent on a source device and the output color data being dependent on a destination device, the program implementing:

obtaining a source profile corresponding to the source device and a destination profile corresponding to the destination device;

determining a relationship between lightness levels and black color based on the destination profile;

determining, when a black-printing compensation is applied and the input color data indicates a simple black color, output color data for the simple black color having a lightness level equivalent to a lightness level of the input color data based on the source profile and the determined relationship between lightness levels and black color;

determining, when the black-printing compensation is not applied or when the black-printing compensation is applied and the input color data does not indicate the simple black color, output color data based on the source profile and the destination profile,

wherein the simple black color is that a value of the R component data, a value of the G component data, and a value of the B component data are equal to each other.